

FIG. 1

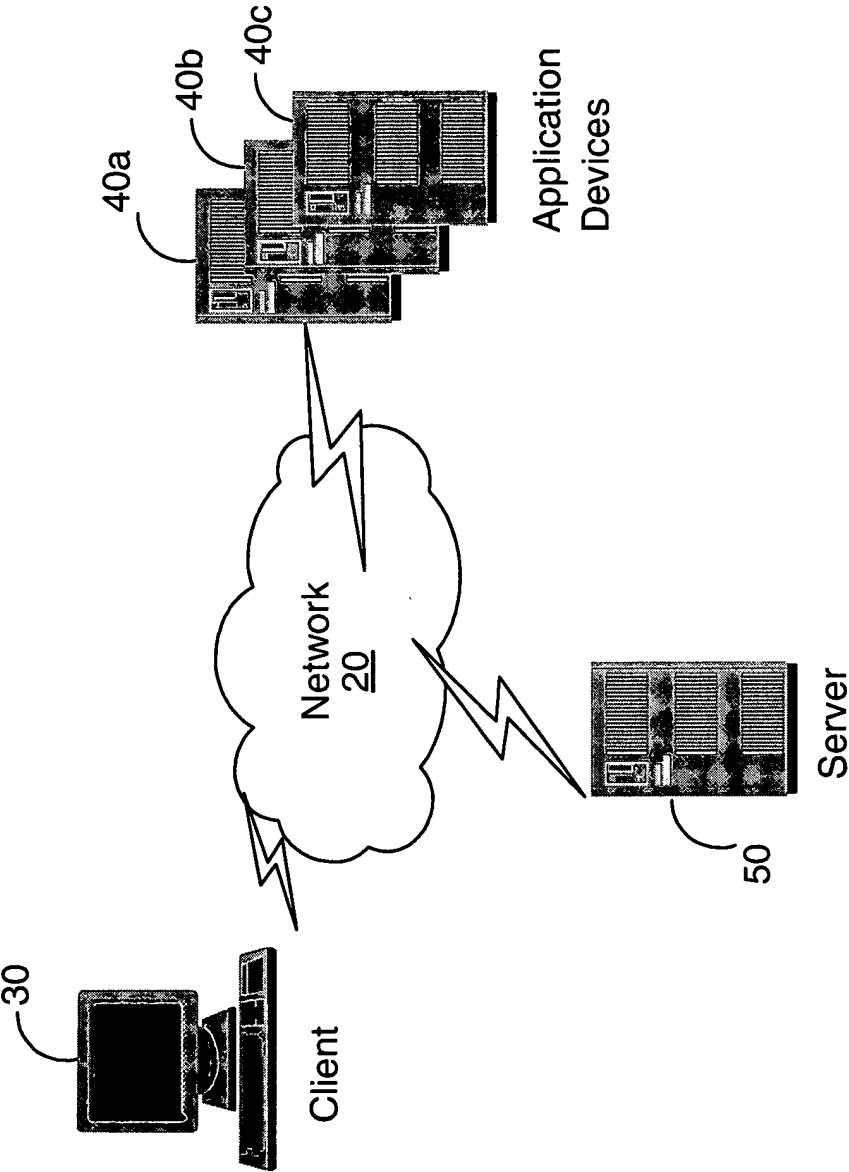


FIG. 2

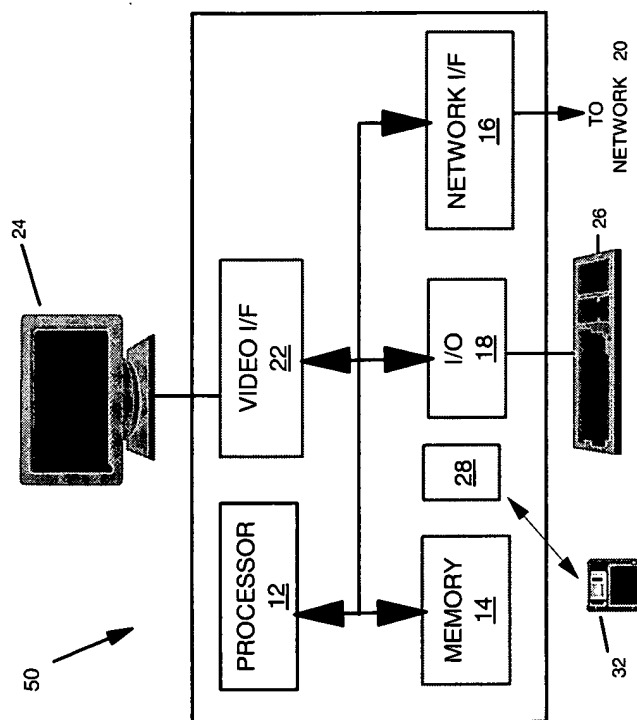


FIG. 3

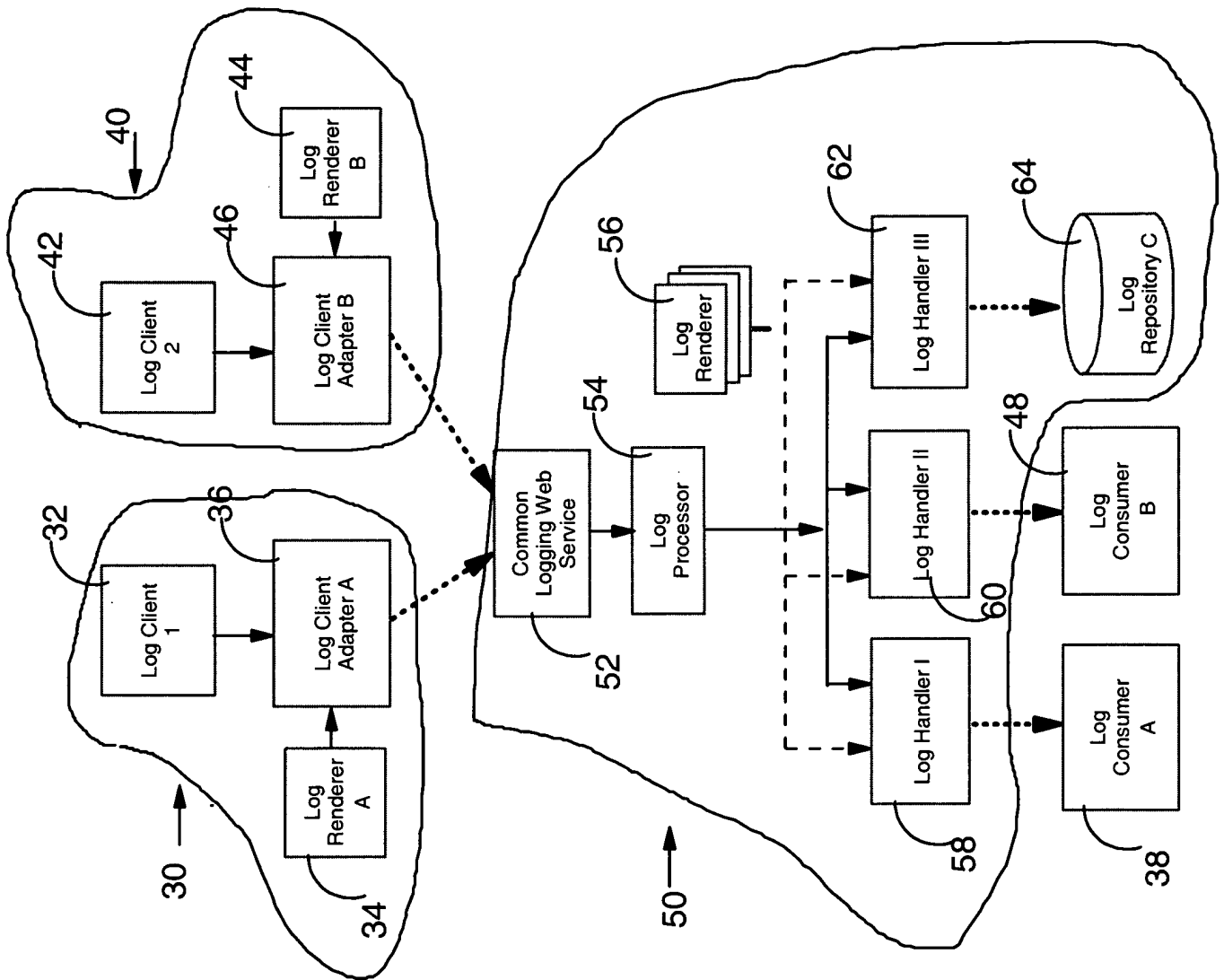


FIG. 4

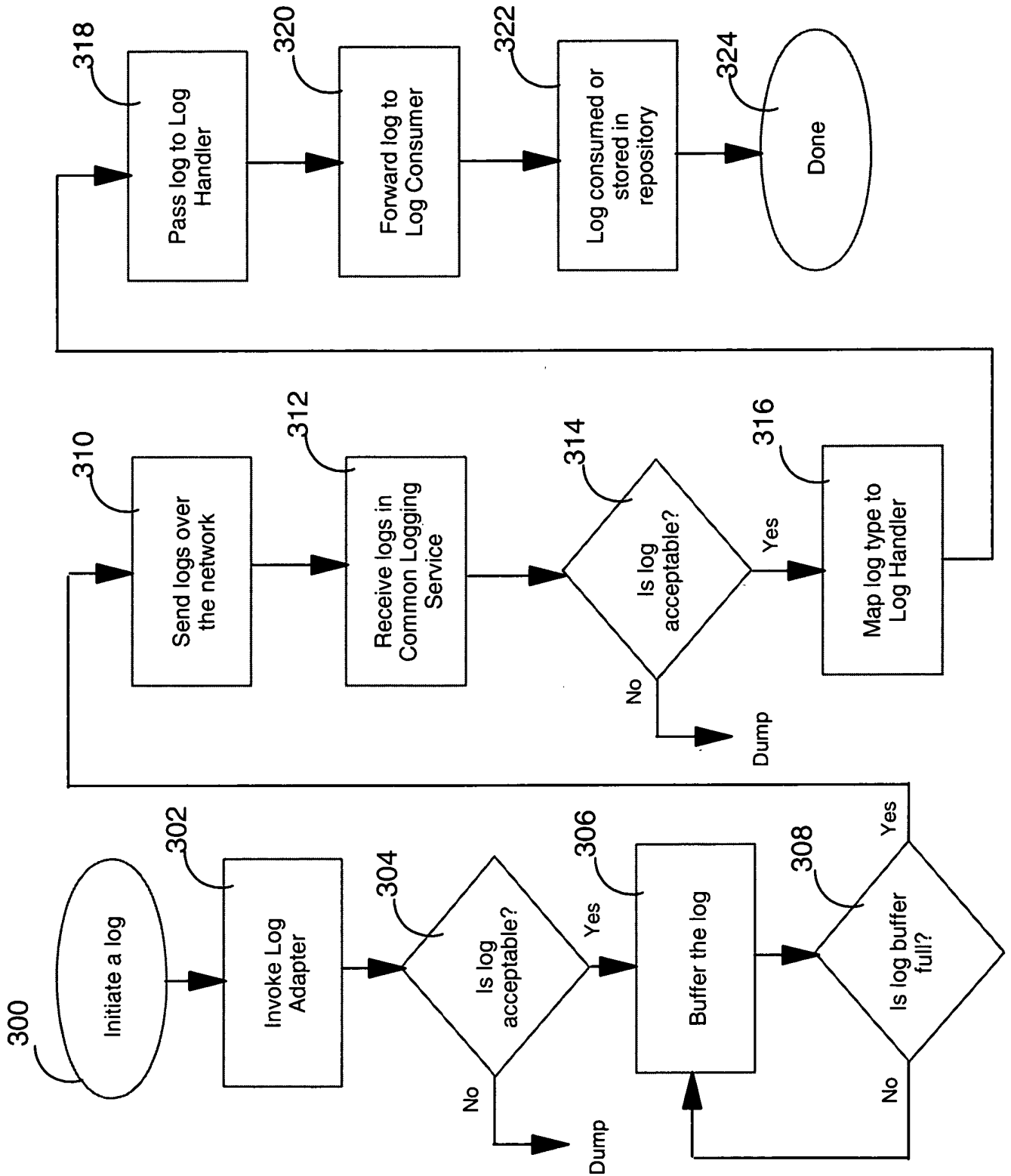


FIG. 5

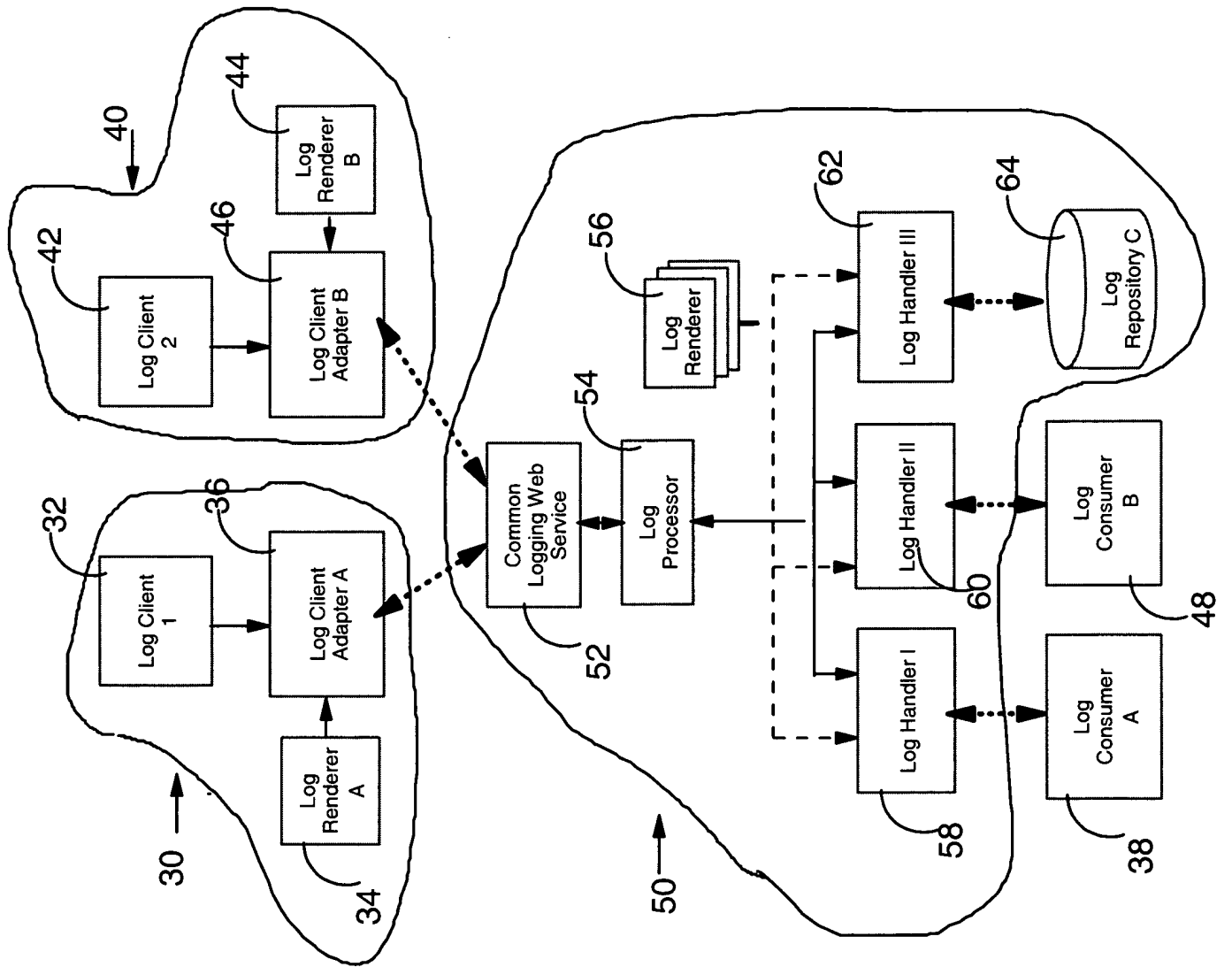


FIG. 6

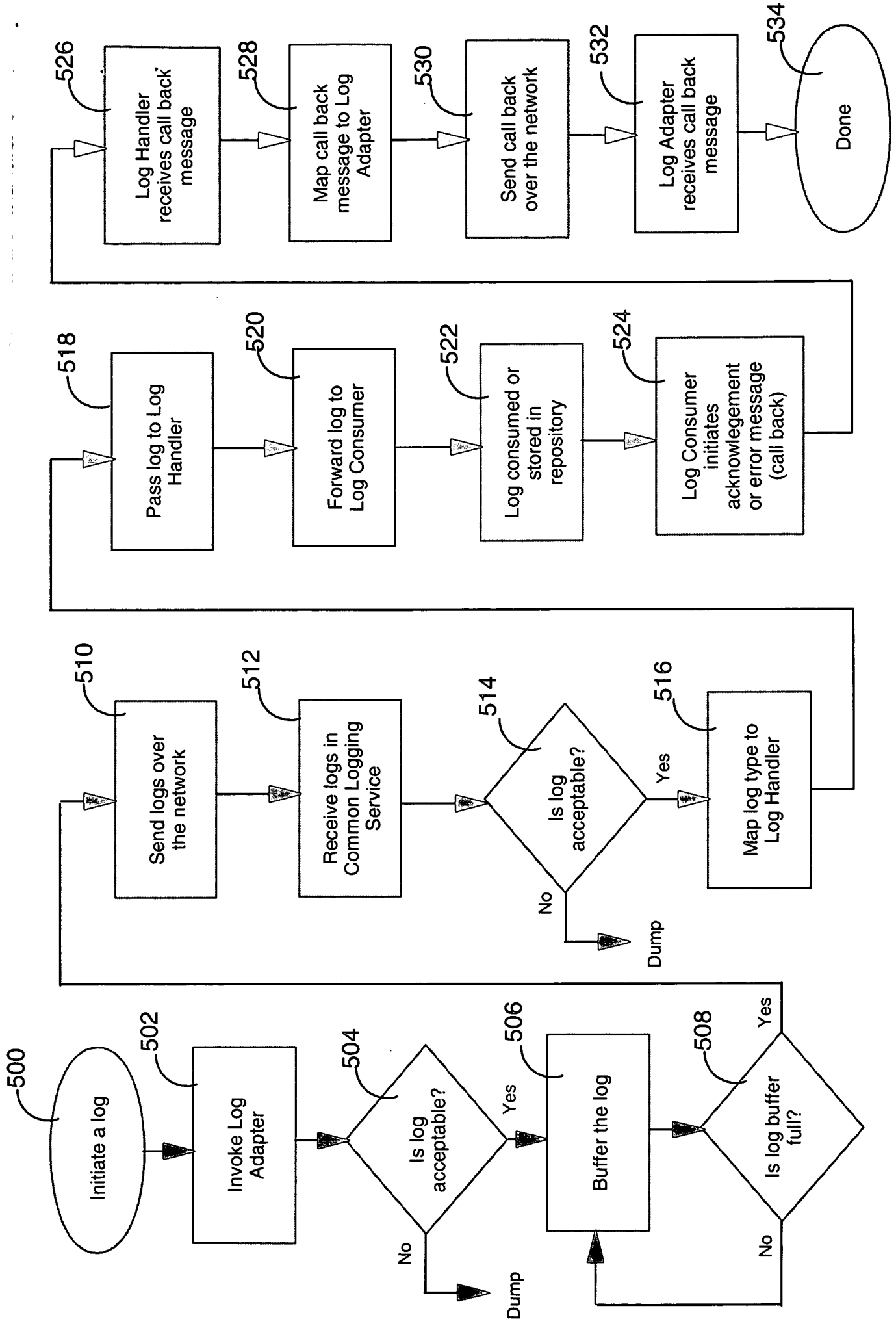


FIG. 7

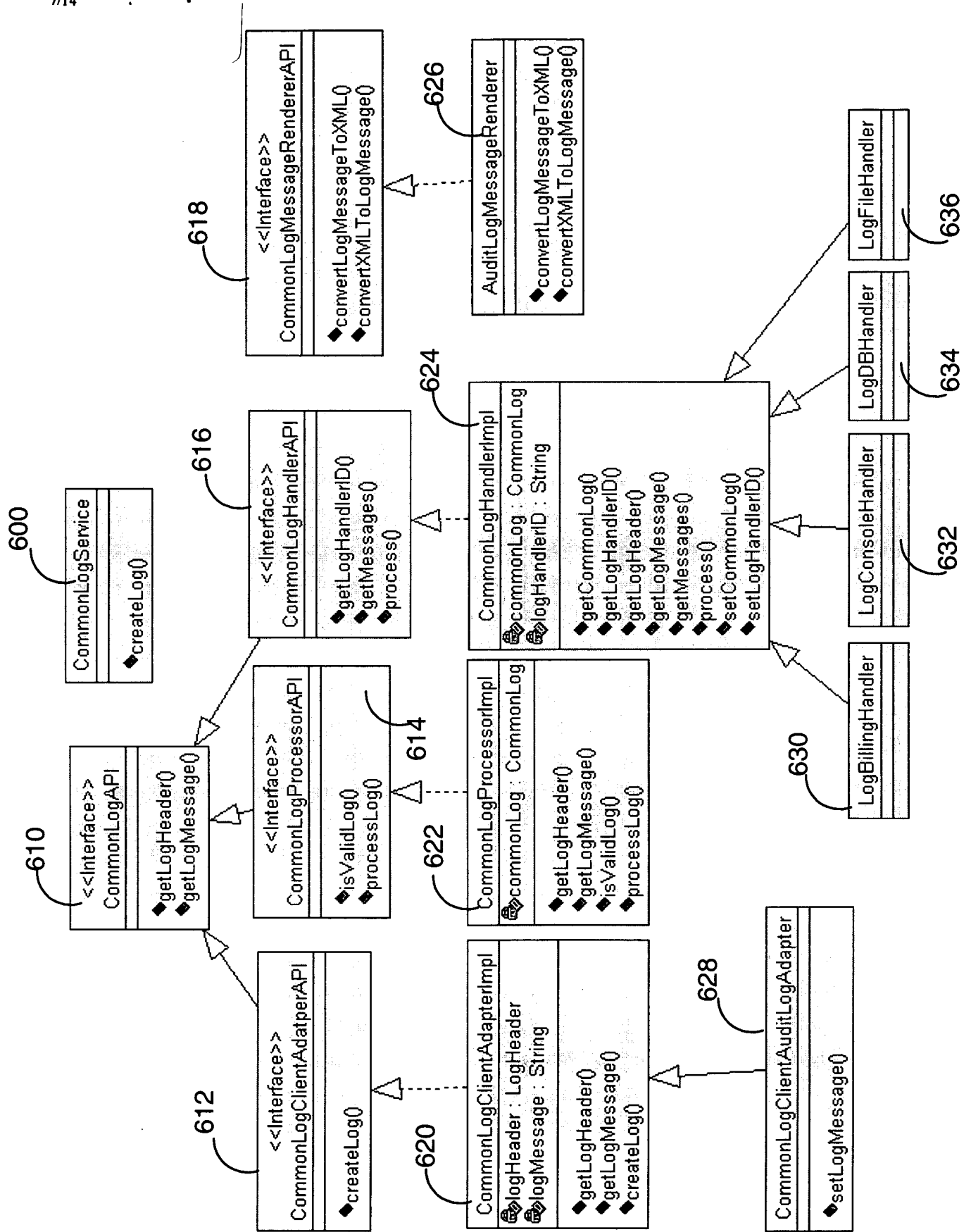


FIG. 8

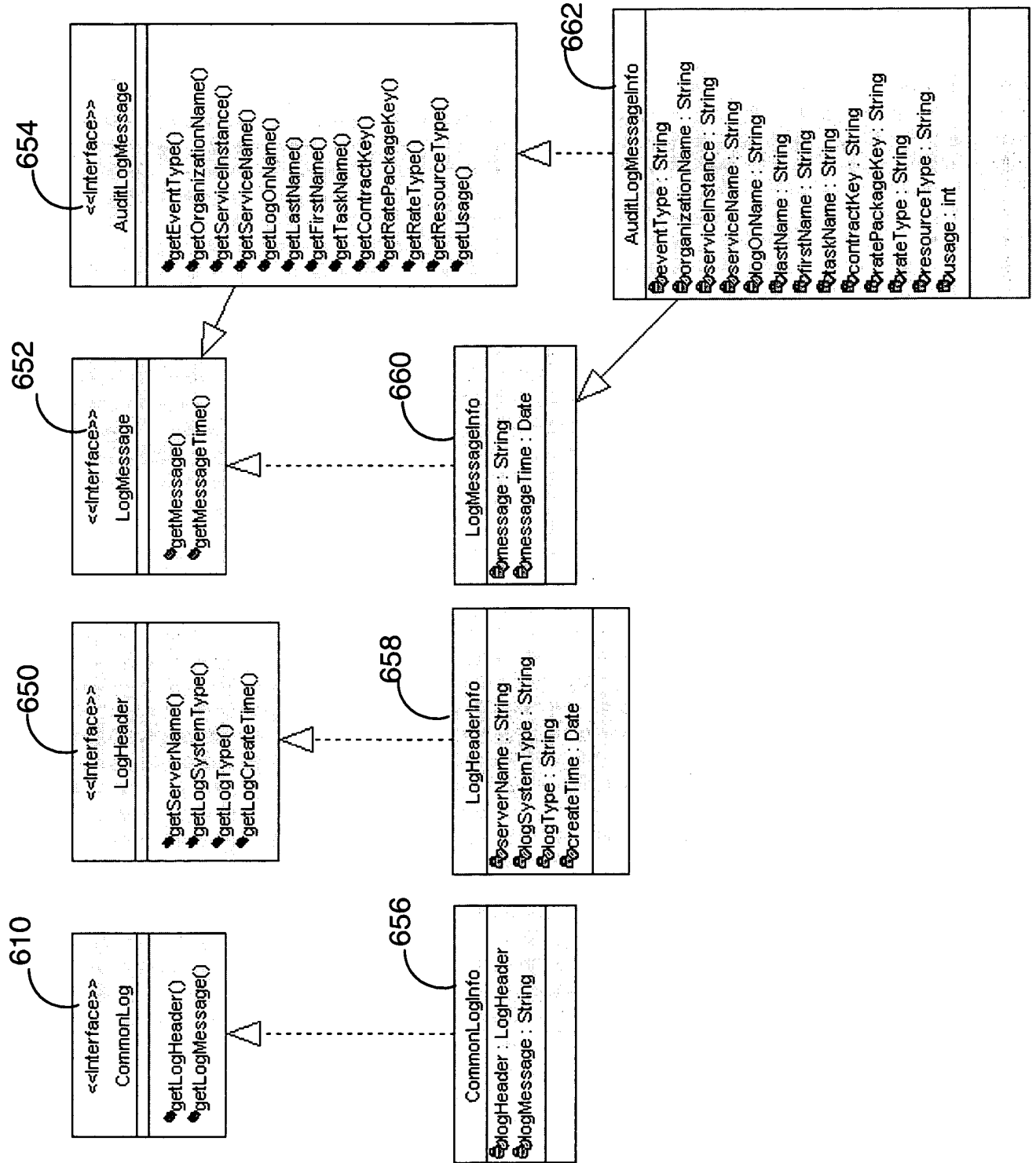


FIG. 9

```
<logTypes>
  <logType>
    <name>Error</name>
    <renderer>com.ibm.hosting.commonLogClientImpl.ErrorLogMessageRenderer</renderer>
    <handlers>
      <handler>
        <name>LogFileHandler</name>
        <enable>true</enable>
      </handler>
    </handlers>
  </logType>
  <logType>
    <name>Metering</name>
    <renderer>com.ibm.hosting.commonLogClientImpl.MeteringLogMessageRenderer</renderer>
    <handlers>
      <handler>
        <name>LogConsoleHandler</name>
        <enable>true</enable>
      </handler>
      <handler>
        <name>MeteringLogHandler</name>
        <enable>true</enable>
      </handler>
      <handler>
        <name>LogBillingHandler</name>
        <enable>true</enable>
      </handler>
      <handler>
        <name>LogFileHandler</name>
        <enable>true</enable>
      </handler>
    </handlers>
  </logType>
```

FIG. 9 contd.

```
<logType>
  <name>Audit</name>
  <renderer>com.ibm.hosting.commonLogClientImpl.AuditLogMessageRenderer</renderer>
  <handlers>
    <handler>
      <name>LogConsoleHandler</name>
      <enable>true</enable>
    </handler>
    <handler>
      <name>LogFileHandler</name>
      <enable>true</enable>
    </handler>
    <handler>
      <name>AuditLogHandler</name>
      <enable>true</enable>
    </handler>
  </handlers>
</logType>
<logType>
  <name>Message</name>
  <renderer>com.ibm.hosting.commonLogClientImpl.MessageLogMessageRenderer</renderer>
  <handlers>
    <handler>
      <name>MessageLogHandler</name>
      <enable>true</enable>
    </handler>
  </handlers>
</logType>
</logTypes>
```

FIG. 10

```
ServiceContextInfo ctx = new ServiceContextInfo();
ctx.setCredentials(userCredentials);
ctx.setUser(userID);

//Construct the log header
LogHeaderInfo header = new LogHeaderInfo();
header.setLogSystemType(logSystemType);
header.setLogType("Audit");
header.setServerName(InetAddress.getLocalHost().getHostName());
header.setLogCreateTime(new Date() );

//Construct the audit log message body
AuditLogMessageInfo message = new AuditLogMessageInfo();
message.setEventType("Test Event Type");
message.setOrganizationName("o=alice0814b,dc=allegro");
message.setServiceName("Test Service Name");
message.setLogOnName("uid=spadmin,dc=users,dc=allegro");

//Instantiate the Audit Log Adapter
CommonLogClientAuditLogAdapter adapter = new CommonLogClientAuditLogAdapter();
adapter.setServiceContext(ctx);
adapter.setLogHeader(header);
```

FIG. 11

```
//Call the Common Logging Service client stub
com.ibm.hosting.clientStub.commonLog.CommonLog service =
    new com.ibm.hosting.clientStub.commonLog.CommonLog();

// Now use the service to get a PortType that we can call.
java.net.URL myURL =
    new java.net.URL("http://localhost:8080/commonLog/services");
CommonLogPortType port = service.getCommonLogPort(myURL, "commonLog");

com.ibm.hosting.model.commonLog.CommonLogInfo commonLogInfo =
    new com.ibm.hosting.model.commonLog.CommonLogInfo();
commonLogInfo.setLogHeader(logHeader);
commonLogInfo.setLogMessage(logMessage);

boolean a = port.createLog(commonLogInfo);
System.out.println("return value:" + a);
```

FIG. 12

```
<?xml version="1.0" ?>
<commonLog>
  <logHandlers>
    <logHandler>
      <name>LogConsoleHandler</name>
      <class>com.ibm.hosting.service.commonLogImpl.LogConsoleHandler</class>
    </logHandler>
    <logHandler>
      <name>LogBillingHandler</name>
      <class>com.ibm.hosting.service.commonLogImpl.LogBillingHandler</class>
    </logHandler>
    <logHandler>
      <name>LogDBHandler</name>
      <class>com.ibm.hosting.service.commonLogImpl.LogDBHandler</class>
    </logHandler>
  </logHandlers>
</commonLog>

<logTypes>
<logType>
  <name>Billing</name>
  <renderer>com.ibm.hosting.service.decode.AuditLogRenderImpl</renderer>
  <handlers>
    <handler>
      <name>LogConsoleHandler</name>
      <enable>true</enable>
    </handler>
    <handler>
      <name>LogDBHandler</name>
      <enable>true</enable>
    </handler>
    <handler>
      <name>LogBillingHandler</name>
      <enable>true</enable>
    </handler>
  </handlers>
</logType>
```

FIG. 12 contd.

```
<logType>
  <name>Audit</name>
  <renderer>com.ibm.hosting.service.decode.AuditLogRenderImpl</renderer>
  <handlers>
    <handler>
      <name>LogConsoleHandler</name>
      <enable>true</enable>
    </handler>
    <handler>
      <name>LogDBHandler</name>
      <enable>true</enable>
    </handler>
  </handlers>
</logType>
</logTypes>

<logFilter>
  <serverNames>
    <serverName>abc.xyz.com</serverName>
    <serverName>pqr.xyz.com</serverName>
  </serverNames>
  <logSystemTypes>
    <logSystemType>Metering Service</logSystemType>
    <logSystemType>WAS JRas</logSystemType>
  </logSystemTypes>
  <logTypes>
    <logType>Unknown</logType>
    <logType>Billing</logType>
    <logType>Trace</logType>
  </logTypes>
  </logFilter>
</commonLog>
```